



प्रसार भारती/PRASAR BHARATI

भारत का लोक प्रसारक/INDIA'S PUBLIC SERVICE BROADCASTER

कार्यालय अपर महानिदेशक(अनुसंधान एवं विकास)/O/O ADDITIONAL DIRECTOR GENERAL (R&D)  
अनुसंधान विभाग, आकाशवाणी एवं दूरदर्शन/RESEARCH DEPARTMENT, ALL INDIA RADIO & DOORDARSHAN  
14-बी, इन्द्रप्रस्थ इस्टेट, रिंग रोड/14-B, I.P.ESTATE, RING ROAD,  
नई दिल्ली-110002/NEW DELHI -110002



## Test Report No.: 09/2024-25

File:RD (Acoustic) AIR/TV/2024-25)

Dated: 21.05.2024

To  
M/s Complete Infrastructure Pvt. Ltd.  
Y-46, Okhla Industrial Area, Phase 2, Harikesh Nagar Metro Station,  
Harkesh Nagar, South East Delhi  
Delhi-110020  
India

Testing Place: Acoustic Lab (R&D)

Description of Test Specimen		Description of Test Laboratory	
Company	M/s Complete Infrastructure Pvt. Ltd.	Type of Mounting	A Type
Representative	Sh. Anuj Garg	Volume of RT room	151.1 m <sup>3</sup>
Sample name	NRC Test for BOLLARD make fabric wrapped high density GW wall panel of size 600*600*25mm.	Sample Area	191.1 m <sup>2</sup>
Test Combination	Bare material.	Temperature	29.7 <sup>0</sup> C
Sample assembled by	'Company' Staff	Humidity	44.9%
Surface area of Sample	10.8m <sup>2</sup>	Type of noise used	Pink
Thickness	25mm.	Measuring equipment	(B&K) Building Acoustic Analyzer 2270
Density	N.A.	Microphone & Preamp.	(B&K) 1/2" Free Field 4189 mike, ZC0032 (B&K) Preamp.
		Sound Source	(B&K) Omni Power 4292-L
		Power Amplifier	(B&K) Type 2734

*(Signature)*  
21-05-2024  
**ARUN EKKA**  
ASSISTANT DIRECTOR (E)  
RESEARCH DEPARTMENT  
AIR & D.D. PRASAR BHARATI  
14-B, I.P. ESTATE  
NEW DELHI-110002

*(Signature)*  
21/05/2024  
**(Rajesh Kumar)**  
Deputy Director (Engg.)

Tel. 01144714793, E-mail: [cerdairdd@gmail.com](mailto:cerdairdd@gmail.com), [acousticslabairdd@gmail.com](mailto:acousticslabairdd@gmail.com).

अनुसंधान विभाग / Research Dept.  
आकाशवाणी एवं दूरदर्शन  
All India Radio & Doordarshan  
14-बी, रिंग रोड, इ. प्र. एस्टेट, नई दिल्ली-110002  
14-B, Ring Road, I. P. Estate, New Delhi-110002



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सत्यम् शिवम् सुन्दरम्

### Test Report No.: 09/2024-25

Testing Place: Acoustics Lab (R&D)

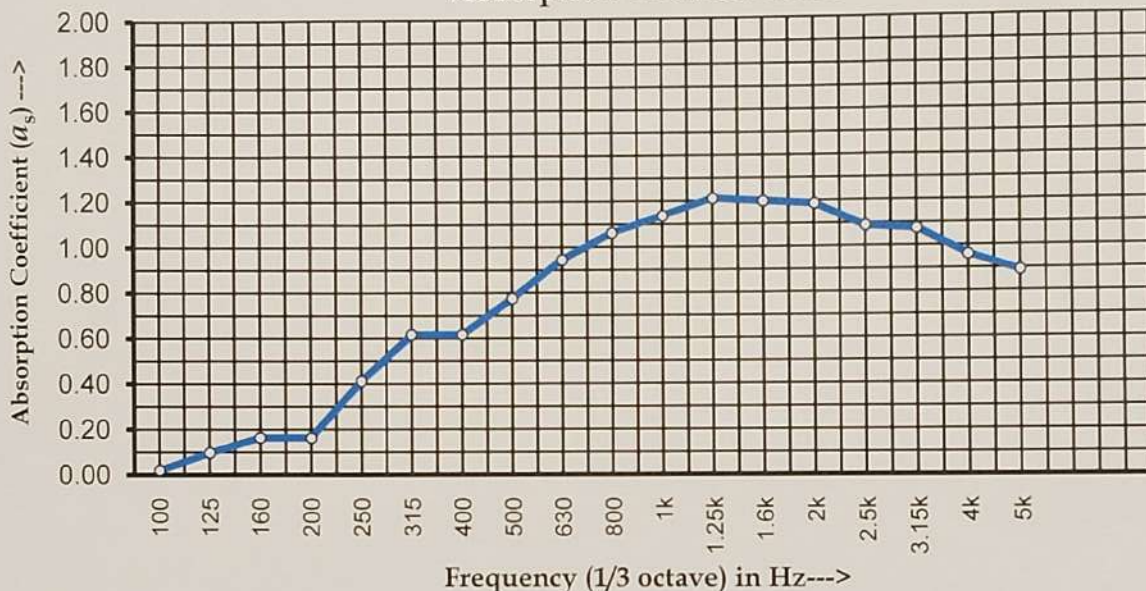
Company: M/s Complete Infrastructure Pvt. Ltd.

Sample: BOLLARD make fabric wrapped high density GW wall panel of size 600\*600\*25mm.

Measured Data:

Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
Te (Sec)	5.98	5.39	5.16	3.99	3.68	4.16	4.16	4.43	4.56	4.16	4.17	4.04	3.85	3.68	3.44	3.17	2.77	2.35
Tm (Sec)	5.70	4.37	3.74	3.09	2.19	1.93	1.74	1.55	1.39	1.33	1.26	1.25	1.24	1.28	1.25	1.26	1.21	1.14

### Absorption Characteristics



NRC: 0.9

Method of Measurement and Evaluation: IS: 8225/ ISO: 354/ ASTM 423C

Freq (Hz)	100	125	160	200	250	315	400	500	630	800	1k	1.25k	1.6k	2k	2.5k	3.15k	4k	5k
ABS. Coef	0.02	0.10	0.16	0.16	0.41	0.62	0.62	0.77	0.94	1.06	1.14	1.21	1.20	1.19	1.09	1.07	0.96	0.89

*(Signature)*  
21-05-2024  
**ARUN EKKA**  
ASSISTANT DIRECTOR (E)  
RESEARCH DEPARTMENT  
AIR & D.D. PRASAR BHARATI  
14 B, I.P. ESTATE  
NEW DELHI-110002

*(Signature)*  
21/05/2024  
**(Rajesh Kumar)**  
Deputy Director (Engg.)

Tel. 01144714799 E-mail: cerdairdd@gmail.com, [acousticslabairdd@gmail.com](mailto:acousticslabairdd@gmail.com).